

## APPLICATION FOR LETTERS OF PATENT

Applicants: GIAT Industries and Technopharm

5 Title: Biological detector

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## ABSTRACT

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The invention relates to a portable and autonomous biological detector 1 enabling the presence of biological agents such as the bacteria, viruses, protozoan, or toxin type to be detected in a sample.

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In the same body 2, this detector integrates means to extract a sample from the environment, be it solid, liquid or gaseous; means 4 for the biological culture or magnification of said sample; detection means 5 inducing a reaction, for example on an impregnated strip 12, said reaction being  
20 either colourmetric and visible to the naked eye thanks to a transparent viewfinder 9, or detectable by a separate system. The sample extraction means 8 incorporate a plug 3 able to be screwed or nested onto the body 2 of the biological detector and a lip 15 ensuring its sealing and the culture medium 11  
25 is contained in a breakable ampoule 10 so as to allow the sample to be brought into contact with said culture medium 11.

Application to the detection of anthrax.

Figure 1